

List of Claims

1. (Currently amended) A process for the preparation of alkylated dihydroxybenzene, said process comprising alkylating dihydroxybenzene with a tertiary butyl alcohol in the presence of montmorillonite K-10 modified with an acidic function as a solid acid/solid-polymer catalyst at a temperature in the range of 40 to 90°C for a time period in the range of 2 to 8 hours, separating the alkylated dihydroxybenzene.
2. (Original) The process of claim 1 wherein the dihydroxybenzene to be alkylated is selected from the group consisting of resorcinol, hydroquinone and catechol.
3. (Cancelled)
4. (Original) The process of claim 1 wherein the process is carried out at a temperature between about 60°C to 90°C.
5. (Original) The process of claim 1 wherein the process is carried out for a time period between about 6 to 8 hours.